

Fig. 1A (prior art)

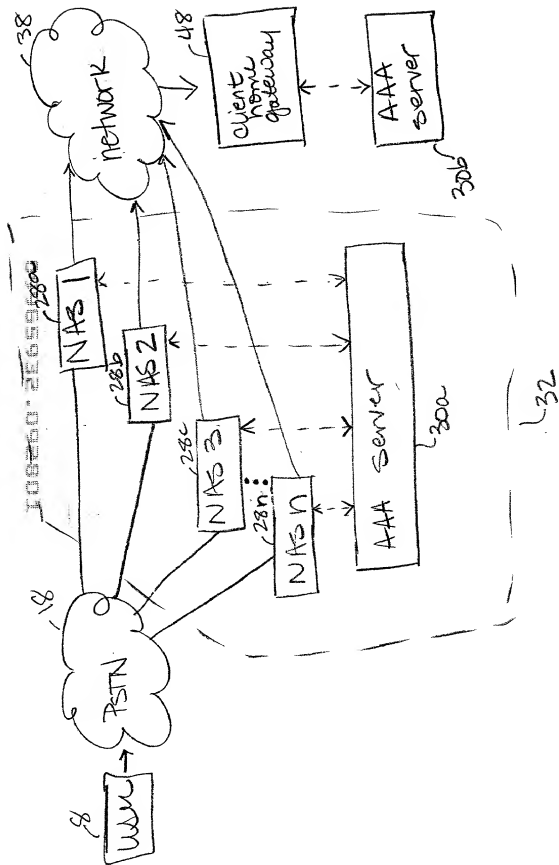


Fig. 1B (prior art)

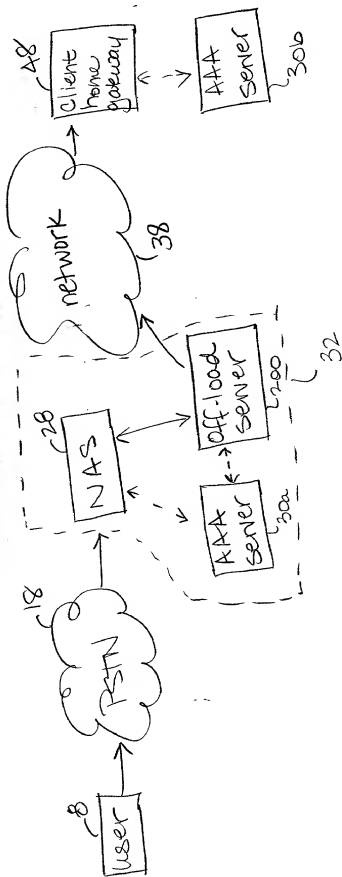


Fig. 2

100260-2E659660

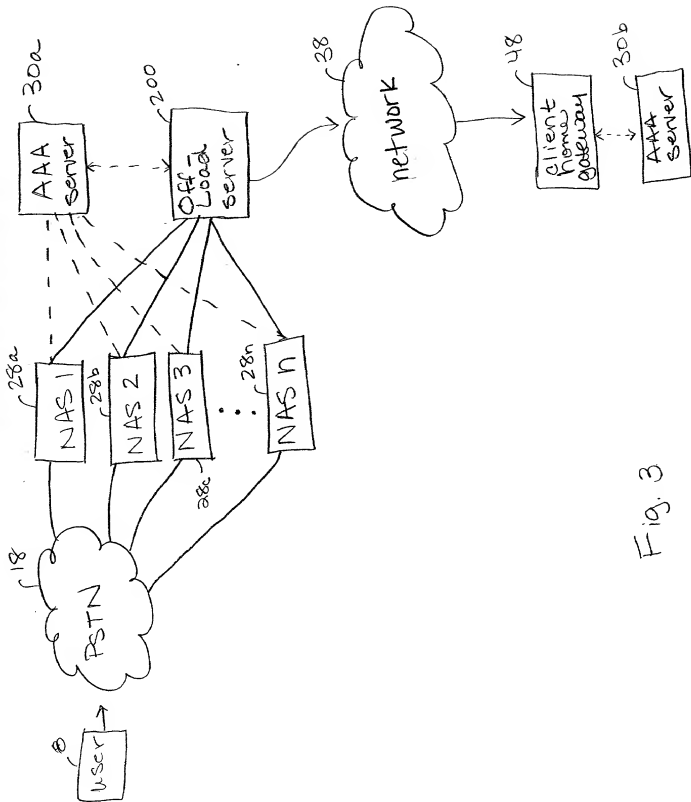


Fig. 3

## CALL FLOW

NAS 1

Radius  
AAA

OFF-LOAD SERVER

## ① Call Setup - Preauth.

NAS preauthenticates the DNIS (called digits) to validate called #

Local Session Id is chosen (incrementing).  
(i.e., 01, 02, 03, ...)

Since more than one NAS may be involved, add a unique identifier to head of session id so that no two NAS(s) ever use the same session id.

So send:

12345 00000001

12345 00000002

12345 00000003

② Server looks up DNIS (username) and accepts the call.

Server may keep reference to call via session id to count # of uses on given DNIS

Accept

## ③ Call Accepted

① connects the call to NAS,  
② layer 1 and layer 2 are established.

③ VPN service starts

Fig. 4A

→ L2X Session starts

NAS 1

AAA SERVER

OFF-LOAD  
SERVER

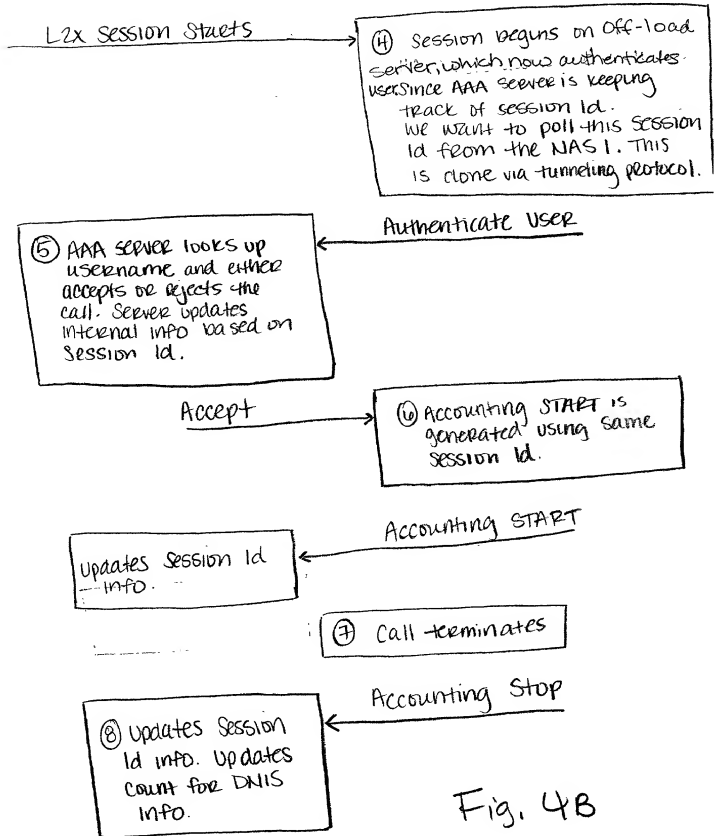


Fig. 4B

0965932-09801  
108260-2169960